No.



9100186

THE UNITED STAYIES OF AMIERICAL

TO ALL TO WHOM THESE: PRESENTS SHALL COME;

Pioneer Gi-Bred International, Inc.

Withereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to extude others from selling the variety, or offering it for sale, or reproducing it, importing it, or exporting it, or using it in producing a hybrid or different ty therefrom, to the extent provided by the Plant Variety Protection Act T. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SÖYBEAN

195831

In Lestimonn Winercot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C.

this 31st day of August in the year of our Lord one thousand nine hundred and ninety-two.

> Surand MAdig In Secretary of Agriculture

Allest

Kenneth HEvar

Plant Variety Protection Office Assigntured Marketina Service Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Office, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0581-0055), Washington, 20250.

			1	
U.S. DEPARTMENT OF AGRICULTURAL MARK		Andrew State (1997)	deter	ication is required in order to
APPLICATION FOR PLANT VARIE (Instructions of	Infor	icate is to be issued (7 U.S.C. 2421). mation is held confidential until icate is issued (7 U.S.C. 2426).		
NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION	OR 3, V	ARIETY NAME
Pioneer Hi-Bred International	l, Inc.	EXPERIMENTAL NO.		9583
4. ADDRESS (street and no. or R.F.D. no., city, state, and ZiP)		5. PHONE (Include area code)		FOR OFFICIAL USE ONLY
And the second s				NUMBER
700 Capital Square 400 Locust Street		515-270-3414		9100186
Des Moines, IA 50309			F	Date
6. GENUS AND SPECIES NAME	7. FAMILY NAME (Bot	anio all		May 15 1991
Glycine max	·		N G	Па.М. Пр.М.
	Legumin		┷	Filing and Examination Fee:
8. CROP KIND NAME (Common Name)	\$	DATE OF DETERMINATION	£ :	: 2,150.
Soybean		July, 1985	Š	Date
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORG	ANIZATION (Corporation,	partnership, association, etc.)	R	Thay 13, 1991
Corporation		• .	E	Certificate Fee:
11. IF INCORPORATED, GIVE STATE OF INCORPORATION	12.	DATE OF INCORPORATION	─	: 250, ∞
Iowa		1926	Ε	Date 7
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, T	CO CERTIFIC APPLICA		į. D	/14gust = 1712
14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (F a. X Exhibit A, Origin and Breeding History of the Variety. b. X Exhibit B, Novelty Statement. c. X Exhibit C, Objective Description of Variety. d. Exhibit D, Additional Description of Variety. e. X Exhibit E, Statement of the Basis of Applicant's Owner. f. X Seed Sample (2,500 viable untreated seeds). Date Set g. X Filling and Examination Fee (\$2,150) made payable to	ship. ed Sample mailed to Pla	nt Variety Protection Office $05/$	15/91	
15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE			D? (See section	n 83(a) of the Plant Variety
YES (If "YES." answer items 16 and 17		f "NO," skip to item 18 below)		
16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED A NUMBER OF GENERATIONS?	S TO 17. IF "YES	" TO ITEM 16, WHICH CLASSES OF PI	RODUCTION E	SEYOND BREEDER SEED?
YES NO		FOUNDATION RI	EGISTERED	CERTIFIED
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE YES (If "YES," through Plant Variety Protection Act NO		date:)		
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OF YES (If "YES," give names of countries and dates) NO	MARKETED IN THE U.S. (OR OTHER COUNTRIES?		
20. The applicant(s) declare(s) that a viable sample of basic request in accordance with such regulations as may be ap The undersigned applicant(s) is (are) the owner(s) of th uniform, and stable as required in section 41, and is entit Applicant(s) is (are) informed that false representation h	plicable. is sexually reproduc led to protection und	ed novel plant variety, and be or the provisions of section 42 of	lieve(s) the	it the variety is distinct,
SIGNATURE OF APPLICANT (Owner(s))	CAPACITY	· · · · · · · · · · · · · · · · · · ·		ATE
James E. Miller	Worl	dwide Soybean arch Director	- 1	5/9/91
SIGNATURE OF APPLICANT (Owner(s))	CAPACITY	OR TITLE	D	ATE
			į	

EXHIBIT A

ORIGIN AND BREEDING HISTORY

9583

Winter	1981-82	Original cross was made in the greenhouse at St. Joseph, IL. Cross number was PX4381 Parentage = 9591/9471 9591 = Essex/York 9471 = Williams/Essex
Summer	1982	Fl plants grown in field at Union City, TN.
Winter	1982-83	F2 advanced to F3 by modified single seed descent during 2 cycles in Hawaii.
Summer	1983	F3 bulks of PX 4381 planted at Union City. Advanced to F4 by modified single seed descent.
Winter	1983-84	F4 advanced to F5 by one cycle of modified single seed descent in Hawaii.
Summer	1984	F5 bulks of PX4381 grown at Union City and single plants selected.
Summer	198 5 .	F5-derived plant rows of PX4381 were yield tested at Union City. Entry 55 in UNF517 was selected for advancement.
Summer	1986	PX4381-42 was entered in UNC528 as entry 27 and planted as 2 replications at 2 locations.
Summer	1987-90	Subsequent wide area testing over these 4 years has shown 9583 to be uniform and stable for all plant traits from generation to generation with no evidence of variants.
		5.0 acres of 9583 (breeder's seed) were grown in Tennessee during 1989. 100 acres of parent seed (foundation seed equivalent) were grown in Arkansas during 1990.

EXHIBIT B

NOVELTY STATEMENT

9583

9583 is most similar to variety 9591. Both varieties have excellent resistance to Stem Canker caused by Diaporthe phaseolorum var. caulivora. Both varieties have excellent resistant to a field prevalent race of Cercospora sojina. 9583 has white flowers however, while 9591 has purple flowers.

Hutcheson is the closest variety with white flowers and gray pubescence like 9583, however it 1.5 days earlier than 9583 (Table 1).

EXHIBIT E STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

Variety 9583 was brought to market solely by Pioneer Hi-Bred International, Inc., for which it solicits a certificate of protection.

EXHIBIT C (Soybean)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
8ELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY SOYBEAN (Glycine max L.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	ARIETY NAME	
Pioneer Hi-Bred International, Inc.		9583	-
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Cod	9)	FOR OFFICIAL USE	ONLY
700 Capital Square 400 Locust Street Des Moines, IA 50309		91001	86
Choose the appropriate response which characterizes the var	ietz in the features described be	Jan Whan the number of i	
in your answer is fewer than the number of boxes provided,	place a zero in the first box who	en number is 9 or less (e.g.,	0 9).
Starred characters * are considered fundamental to an adequ	ate soybean variety description	. Other characters should be	described
when information is available. 1. SEED SHAPE:			
Θ			
2 L W	T		
1 = Spherical (L/W, L/T, and T/W ratios = < 1.2) 3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)		/W ratio > 1.2; L/T ratio = < 1. /T ratio > 1.2; T/W > 1.2)	.2)
2. SEED COAT COLOR: (Mature Seed)			
		-	
1 1 = Yellow 2 = Green 3 = Brown	4 = Black 5 = Other /Sr	necify)	
3. SEED COAT LUSTER: (Mature Hand Shelled Seed)			
	,		,
1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebso	y'; 'Gasoy 17')		
4. SEED SIZE: (Mature Seed)	·		
1 4 Grams per 100 seeds			
Grains per 100 seeds			
5. HILUM COLOR: (Mature Seed)			
1 1 = Buff 2 = Yellow 3 = Brown 4	T Come E to Important Black	B = Black	- /0
1 - adii 2 - renow 3 - Brown 4	= Gray 5 = Imperfect Black	6 = Black 7 = Othe	er <i>(Specify)</i>
6. COTYLEDON COLOR: (Mature Seed)			
		•	
1 = Yellow 2 = Green		•	
7. SEED PROTEIN PEROXIDASE ACTIVITY:			
1 = Low 2 = High	e e e e e e e e e e e e e e e e e e e		
8. SEED PROTEIN ELECTROPHORETIC BAND:			
1 = Type A (SP1 ^a) 2 = Type B (SP1 ^b)	. **		
9. HYPOCOTYL COLOR:			
1.00			
1 = Green only ('Evans'; 'Davis') 2 = Green with 3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')	bronze band below cotyledons (Wo	odworth'; 'Tracy')	
4 = Dark Purple extending to unifoliate leaves ('Hodgson'; '	Coker Hampton 266A')		
10. LEAFLET SHAPE:			
			**
2 1 = Lanceolate 2 = Oval 3 = Ovate	4 = Other (Specify)		
			4
FORM LMGS-470-57 (6-83) (Edition of 2-82 is obsolete.)			Page 1 of 4

11. LEAFLET SIZE:	
1 = Small ('Amsoy 71'; 'A5312') 2 = Medium ('Corsoy 79'; 'Gasoy 17') 3 = Large ('Crawford'; 'Tracy')	
12. LEAF COLOR:	
1 = Light Green ('Weber'; 'York') 2 = Medium Green ('Corsoy 79'; 'Braxton' 3 = Dark Green ('Gnome'; 'Tracy')	
★ 13. FLOWER COLOR:	
1 = White 2 = Purple 3 = White with purple throat	
★ 14, POD COLOR:	
1 1 = Tan 2 = 8rown 3 = Black	
★ 15. PLANT PUBESCENCE COLOR:	
1 = Gray 2 = Brown (Tawny)	
16. PLANT TYPES:	
1 = Stender ('Essex'; 'Amsoy 71') 2 = Intermediate ('Amcor'; 'Braxton') 3 = Bushy ('Gnome'; 'Govan')	-
★ 17. PLANT HABIT:	
1 = Determinate ('Gnome'; 'Braxton') 2 = Semi-Determinate ('Will') 3 = Indeterminate ('Nebsoy'; 'Improved Pelican') * 18. MATURITY GROUP: 0 8 1 = 000 2 = 00 3 = 0 4 = I 5 = II 6 = III 9 = VI 10 = VII 11 = VIII 12 = IX 13 = X	7 = IV 8 = V
★ 19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)	
BACTERIAL DISEASES:	
* 2 Bacterial Pustule (Xanthomonas phaseoli var. sojensis)	
Bacterial Blight (Pseudomonas glycinea)	
₩ 2 Wildfire (Pseudomonas tabaci)	
FUNGAL DISEASES: ** 0 Brown Spot (Septoria alycines)	
Signal of the state of the stat	
Frogeye Leaf Spot (Cercospora sojina)	
★ 0 Race 1 0 Race 2 0 Race 3 0 Race 4 0 Race 5	2 Other (Specify) Field prevale isolates 1987-1989
Target Spot (Carynespora cassiicola)	
O Downy Mildew (Peranospora trifoliorum var. manshurica)	
O Powdery Mildew (Microsphaera diffusa)	
Brown Stem Rot (Cephalosporium gregatum)	

19. DISEA	SE REACTION:	: {Enter 0 = Not T	ested; 1 = Susceptible; 2	= Resistant) (Continued)		
FUN	GAL DISEASE	S: (Continued)				
* 0	Pod and Stem	Blight (Diaporthe	phaseolorum var; sojae)			
0	Purple Seed S	tain <i>(Cercospora ki</i>	kuchii)			
0	Rhizoctonia F	Root Rot (Rhizocto	onia solani)			
	Phytophthora	Rot (Phytophthor	a megasperma var. sojae)			
* 0	Race 1	1 Race 2	0 Race 3	Race 4 0 Race	5 0 Race 6	0 Race 7
0	Race 8	0 Race 9	1 Other (Specify)	Race 19		
VIRA	AL DISEASES:					
0	Bud Blight (To	obacco Ringspot V	··. îrus)			
o	Yellow Mosaid	: (Bean Yellow Mo:	saic Vīrus)			
* 0	Cowpea Mosai	ic (Cowpea Chlorot	tic Virus)			
0	Pod Mottle (B	ean Pod Mottle Vir	rus)		•	
★ 0	Seed Mottle (S	Soybean Mosaic Vii	rus)			
NEM	ATODE DISEA	SES:			<u>-</u>	
	Soybean Cyst	Nematode (Hetero	dera glycines)		. •	
★ 0	Race 1	0 Race 2	1 Race 3 1	Race 4 0 Other	(Specify)	
	Lance Nemato	ode (<i>Hoplolaimus C</i>	Colombus)	•		
* 1	Southern Roo	t Knot Nematode /	(Meloidogyne incognita)	•		•
* 0	Northern Roo	t Knot Nematode (Meloidogyne Hapla)			
1	Peanut Root K	Knot Nematode (M	eloidogyne arenaria)	•		
0	Reniform Nen	natode (Rotylenche	ulus reniformis)		•	·
一	OTHER DISE	ASE NOT ON FOR	RM (Specify):		·	
			•			
20. PHYSIC	LOGICAL RES	SPONSES: (Enter	0 = Not Tested; 1 = Susc	eptible; 2 = Resistant)		
* 0	Iron Chlorosis	on Calcareous Soil	ı		•	
	Other (Specify	//	·			
21. INSECT	REACTION:	(Enter 0 = Not Tes	ted; 1 = Susceptible; 2 =	Resistant)		
0	Mexican Bean	Beetle (Epilachna	varivestis)			
0	Potato Leaf He	opper (Empoasca f	abae)			
	Other (Specify	/J				
22. INDICA	TE WHICH VA	RIETY MOST CL	OSELY RESEMBLES TI	HAT SUBMITTED.		
CHAF	RACTER	NAM	E OF VARIETY	CHARACTER	NAME O	F VARIETY
Plant Sh	аре	9591		Seed Coat Luster	9591	
Leaf Sha	ipe	9591	·	Seed Size	9591	· · · · · · · · · · · · · · · · · · ·
Leaf Col	ог	Hutche	son	Seed Shape	9591	· <u></u>
Leaf Size		95 9 1		Seedling Pigmentation	Hutche	eson
					+	6

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO. OF	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFL	ET SIZE	SEED CON	TENT	SEED SIZE G/100	NO. SEEDS/ POD
	MATURITY			CM Width	CM Length	% Protein	% Oil	SEEDS	
958 3 Submitted	135	1.7	75			44.0	20.3	14	
9591 Name of Similar Variety	136	1.9	72			42.3	22.0	16	·

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

- 1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
- 2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
- 3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A2 in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
- 4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.

Table 1. Variety 9583 (X1) vs 'Hutcheson' (X2) for maturity in days.

All observations are from plots planted using a randomized complete block design. Planted plot lenth was 21 feet, trimmed to 15 feet. Plot width was 4 30 inch rows, or 10 feet. Maturity was scored as the number of days from planting until 95% of the pods in the plot were mature. Data is presented separately for 1989 and 1990 with overall statistics following.

					ϵ
REP	x1	x 2	x1-x2	(X1-X2)2	
1989 1 2 3 4	151 153	119.7 148.7 150 139.7	1.3 2.3 3 2.6	1.69 5.29 9 6.76	SD**2= 0.13167 SD= 0.36286 D/SD= 6.33855 ** DF= 3
•					n= 4
sum ave		558.1 139.5	9.2	22.74	ave $9583 = 141.825$ ave Hutcheson = 139.525
1990 5 6 7 8 9 10 11 12 13 14 15	146 132.3 137 118.5 148.7 132.3 136.7 119 145	135.7 119	0.6 2 1 0.3 1.5 3 1.3 1.5	0.36 4 1 0.09 2.25 9 1.69 1 0 25 4	SD**2= 0.18099 SD= 0.42543 D/SD= 3.78226 ** DF= 10 n= 11 ave 9583 = 134.955 ave Hutcheson = 133.345
sum ave		1467 133.3	17.7 1.609	48.39	
OVERAL 1 2 3 4 5 6 7 8 9 10	121 153 142.3 122.3 146 132.3 137 118.5 148.7 132.3	119.7 148.7 150 139.7 121.7 144 131.3 136.7 117	0.6 2 1 0.3 1.5 3	1.69 5.29 9 6.76 0.36 4 1 0.09 2.25 9	SD**2= 0.109 SD= 0.33015 D/SD= 5.43193 ** DF= 14 n= 15 ave 9583 = 136.787 ave Hutcheson = 134.993
12 13 14 15	136.7 119 145 146.7	135.7 119 140 144.7	1 0 5 2	1 0 25 4	
sum ave	2052 136.8	2025 135	26.9 1.793	71.13	

8.25 7.531 0.719

Table 2. 9583 vs Hutcheson for lodging.

All observations are from plots planted using a randomized complete block design. Planted plot length was 21 feet, trimmed to 15 feet. Plot width was 4 30 inch rows, or 10 feet. Lodging was scored on a 1 to 9 scale. On this scale a score of 9 means all plants in the plot were completely upright, whereas a score of 1 means all plants were completely procumbent. Data was collected in the 1991 growing season.

REP	9583 X1	Hutche X2		(X1_X2\++2									
123456789012345678901234 11111111222324	31 969888888889989898988998	HUECAL 8 8 8 8 8 6 7 8 8 8 8 7 7 8 6 6 8 7 8		1 0 1 0 0 0 0 4 1 0 0 0 4 1 0 0 0 4 1 1 0 0 0 4 1 0 0 0 4 1 0 0 0 1	SD* SD= t = DF=	groups	0. 0. 5.	01862 13645 719 /	0.1 ** vid	3645 signi uals)	fican	t 1 2	32*31) % level 8.25 7.53125
25 26 27 28 29 30 31 32	8 7 8 8 8 8	7 8 8 8 8 7 7	1 0 1 0 0 0	1 0 1 0 0 0									
um	264	241	23	35					,				

Table 3. 9583 vs FFR561 for lodging.

All observations are from plots planted using a randomized complete block design. Planted plot length was 21 feet, trimmed to 15 feet. Plot width was 4 30 inch rows, or 10 feet. Lodging was scored on a 1 to 9 scale. On this scale a score of 9 means all plants in the plot were completely upright, whereas a score of 1 means all plants were completely procumbent. Data was collected in the 1991 growing season.

					•	
RE	9 9 9 1 2	583 K1	FFR5 X2		(X1-X2)**2	
1 2 3 4 5 6 7	·	7 7 7 7 8 8	6 7 7 6 8 7 7		1 0 0 1 0 1	SD**2= (40 - (26**2 / 39)) / (39*38) SD**2= 0.01529 SD= 0.12367 t = 0.667 / 0.12367 t = 5.39062 ** significant 1% level DF= 38
8		7 9	, 7 .9	0	0	n (groups of individuals) = 39
10 11 12 13 14 15 16 17		89888888888888888888888888888888888888	7 8 8 7 7 8 7 8	1 0 1 1 0 0 0	1 0 1 0 0 0	ave lodging score of 9583 = 8.07692 ave lodging score of FFR561 = 7.41026
19 20 21 22 23 24 25 26 27		8 9 8 9 8 9 8 9 8	8898888777	0 0 0 1 0 1 2 1	0 1 0 0 1 0 1 4	
28 29 30 31 33 34 35 36 37	(B B 9 B B B B B B B B B B B B B B B B B	8 6 7 6 8 7 7 7 8	0 2 3 0 1 0	0 4 4 9 0 1 0	
38 39	8 8	}	8 6 8	0 2 0	0 4 0	
ive Ive	315 8.077		289 .41	26 0.667	40	

Table 4. 9583 vs FFR561 for height.

9100186

All observations are from plots planted using a randomized complete block design. Planted plot length was 21 feet, trimmed to 15 feet. Plot width was 4 30 inch rows, or 10 feet. Height was scored as the average height in inches of the total plot. Data was collected in the 1991 growing season.

REI	9583 X1	FFR56 X2		(X1-X2)**2					•		
1 2 3 4 5 6 7	23 27 24 22 19 19 22	27 27 27 22 23 22 22	-4 0 -3 0 -4 -3	16 0 9 0 16 9		•	0.25 0.50 -4.9	074 073 - / 0.5	0073		/ (39*38)
8 9	24 30	28 32	-4 -2	16 4	n (group	s of	Indivi	dual	s) = 39	
10 11 12 13	28 28 32 27	38 28 34 31	-10 0 -2 -4	100 0 4 16	ave	heig heig	ht of ht of	9583 FFR56:		26.6667 31.5641	inches inches
14 15 16 17	30 33 30 35	34 39 37 37	-4 -6 -7 -2	16 36 49 4							
18 19 20 21	33 33 24 25	41 39 33 32	-8 -6 -9	64 36 81					,		
22 23 24	22 22 28	31 30 31	-7 -9 -8 -3	49 81 64 9							
25 26 27 28	25 27 33 32	27 33 37 39	-2 -6 -4 -7	4 36 16 49							
29 30 31 32	35 33 31 29	44 37 37 38	-9 -4 -6 -9	81 16 36 81							
33 34 35 36	28 22 22 19	42 26 24	-14 -4 -2	196 16 4							
37 38 39	23 20 21	24 27 24 27	-5 -4 -4 -6	25 16 16 36							
um ve	1040 1 25.67 31		-191 -4.9	1307							

PVP application No. 9100186, '9583', Exhibit E ammended July 21, 1992 STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

Variety '9583' was developed by Pioneer Hi-Bred International, Inc., for which it solicits a certificate of protection.